

```

public class exception
{
    static int num=50;
    static void func()throws ArithmeticException
    {
        if(num>10)
            throw new ArithmeticException("Exception by Throw\n");
        else
            System.out.println("Num < 10\n");
    }
    public static void main(String args[])
    {
        try
        {
            num=52/0;
        }
        catch(Exception e)
        {
            System.out.println("Exception Caught by Try and Catch : "+e+"\n");
        }
        try
        {
            try
            {
                int num=52/0;
            }
            finally
            {
                System.out.println("Finally Exception Executed");
            }
        }
    }
}

```

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        }
    }
    catch(Exception f)
    {
        System.out.println("Exception Caught by Try and Catch from Finally : "+f+"\n");
    }
    try
    {
        exception.func();
    }
    catch(Exception g)
    {
        System.out.println("Exception Caught by Try and Catch from Throws : "+g+"\n");
    }
}
}

```

```

ubuntu@administrator-hcl-desktop: ~/gopikrishna/pgm6
administrator@administrator-hcl-desktop:~/gopikrishna/pgm6$ gedit exception.java
administrator@administrator-hcl-desktop:~/gopikrishna/pgm6$ javac exception.java
administrator@administrator-hcl-desktop:~/gopikrishna/pgm6$ java exception
Exception Caught by Try and Catch : java.lang.ArithmeticException: / by zero

Finally Exception Executed
Exception Caught by Try and Catch from Finally : java.lang.ArithmeticException: / by zero

Exception Caught by Try and Catch from Throws : java.lang.ArithmeticException: Exception by Throw

administrator@administrator-hcl-desktop:~/gopikrishna/pgm6$

```